

Figure 1a

Remote Diagnostics System
Configuration, Version 1

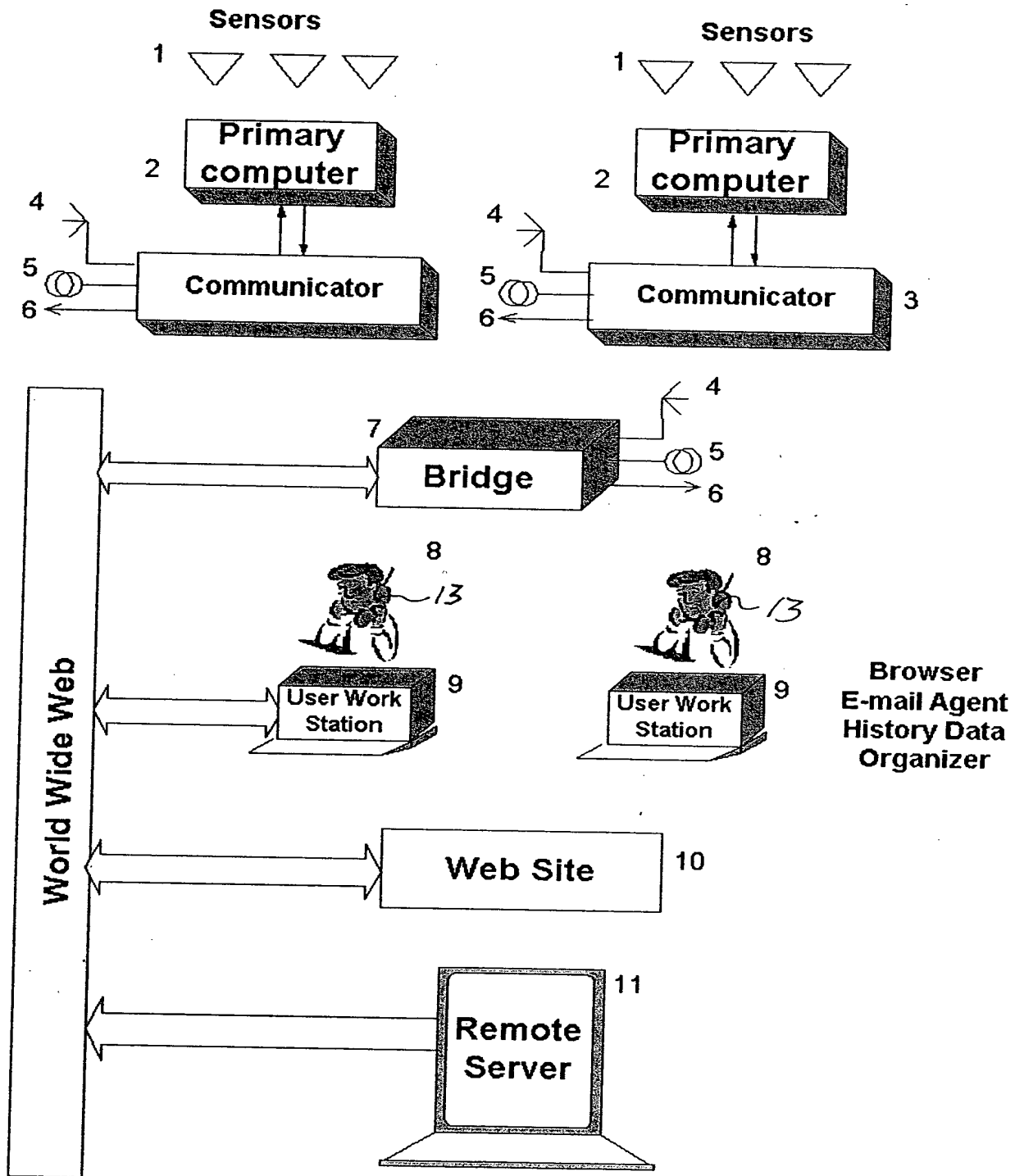


Figure 1b

Remote Diagnostics System
Configuration, Version 2

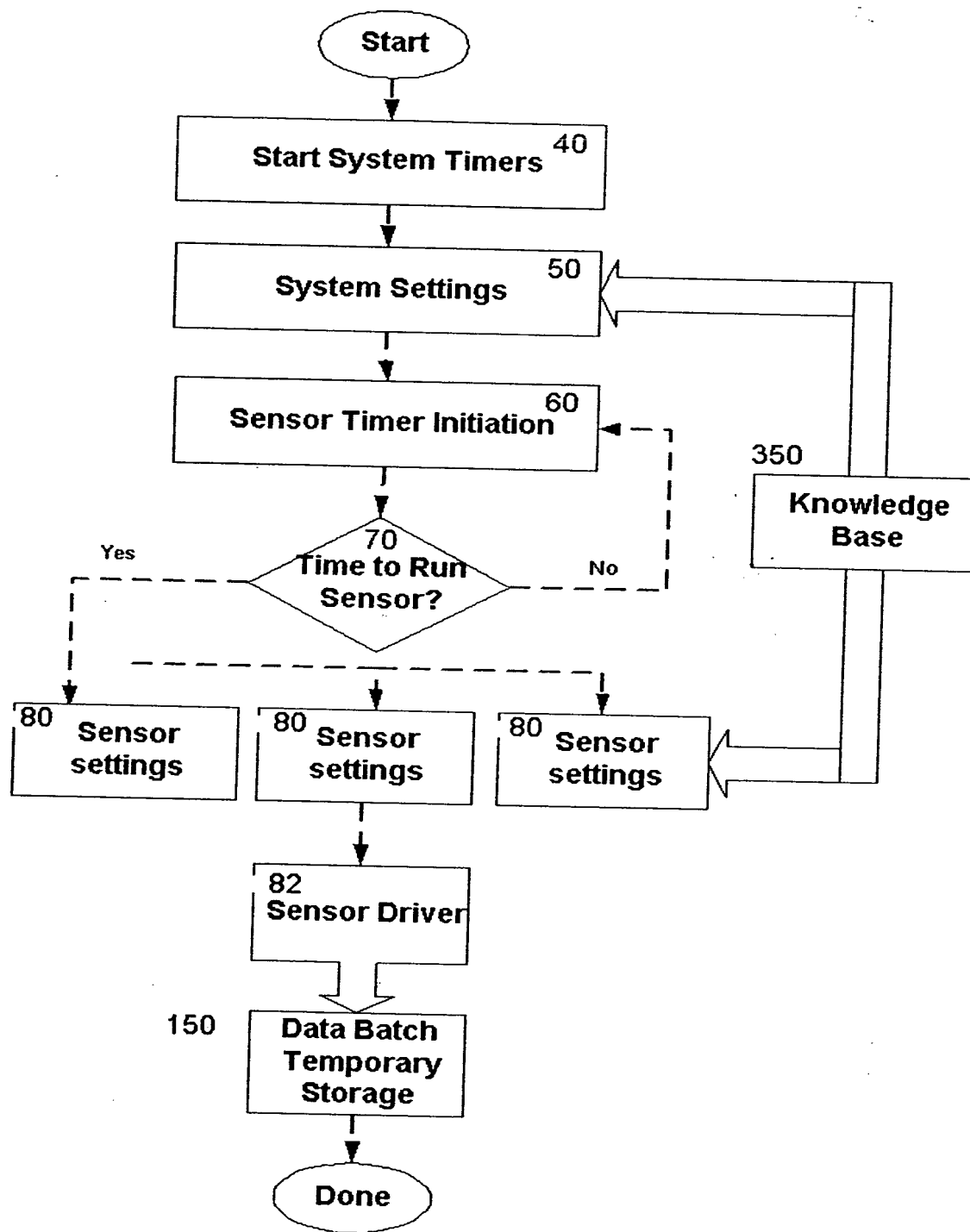
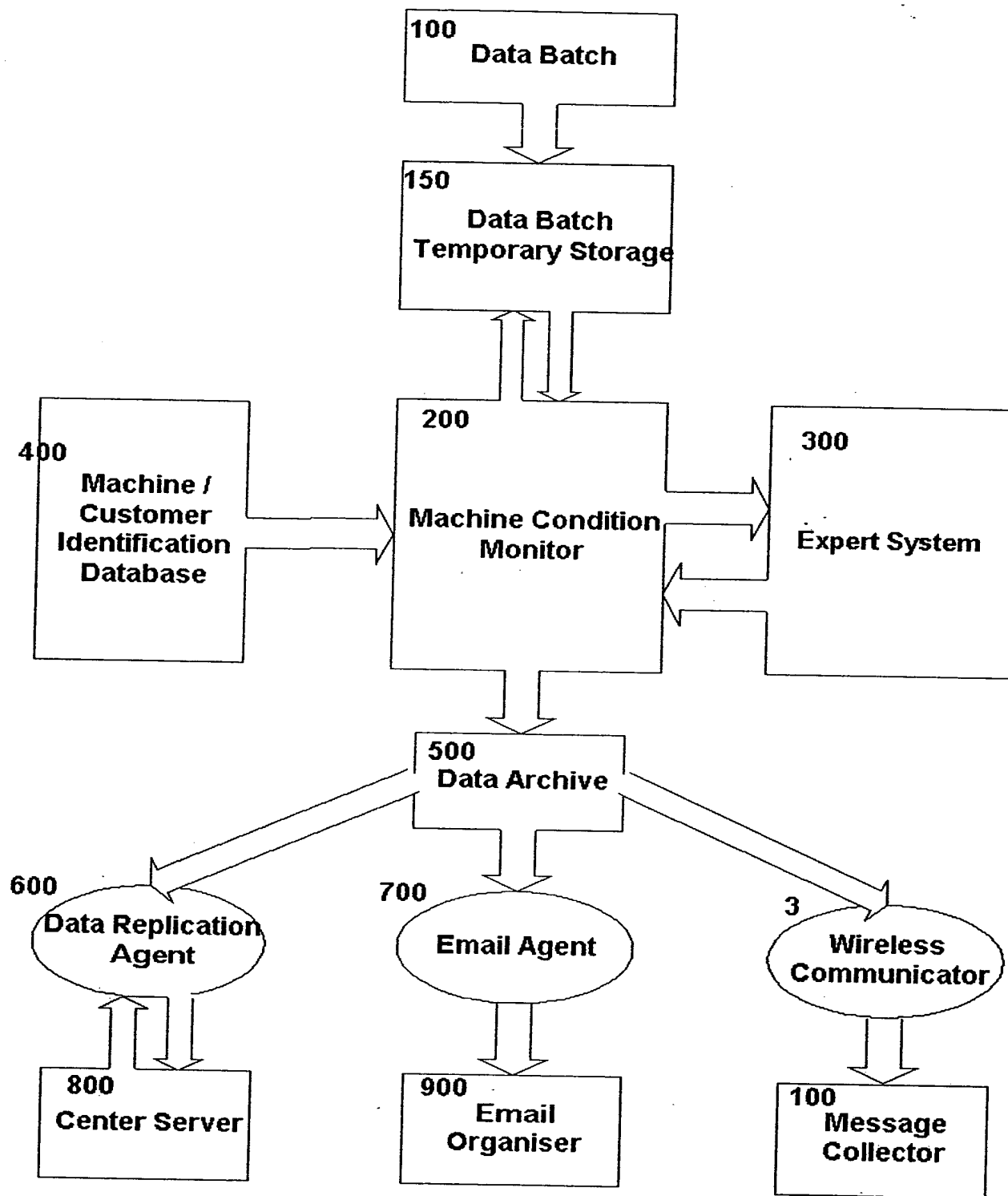


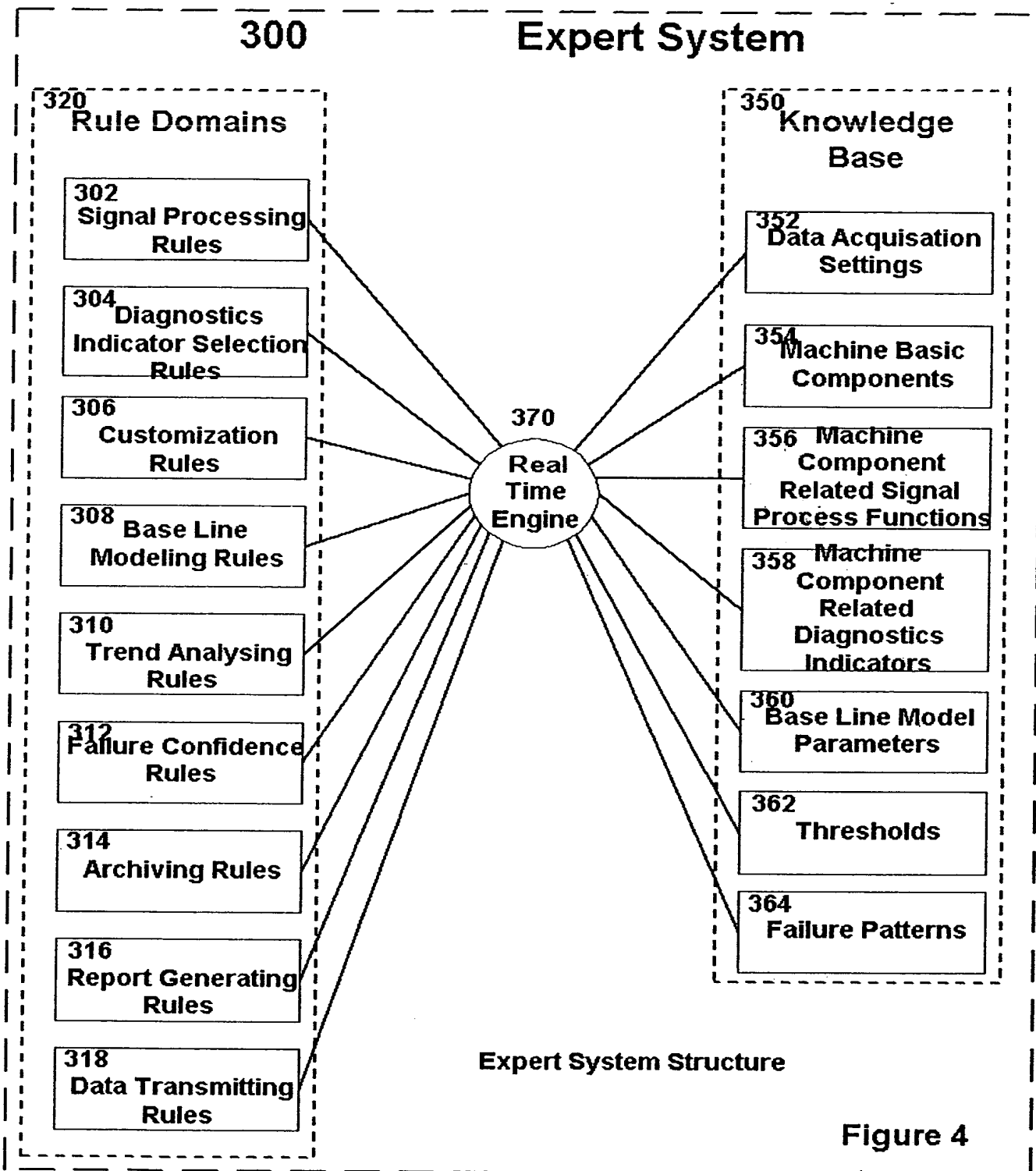
Figure 2

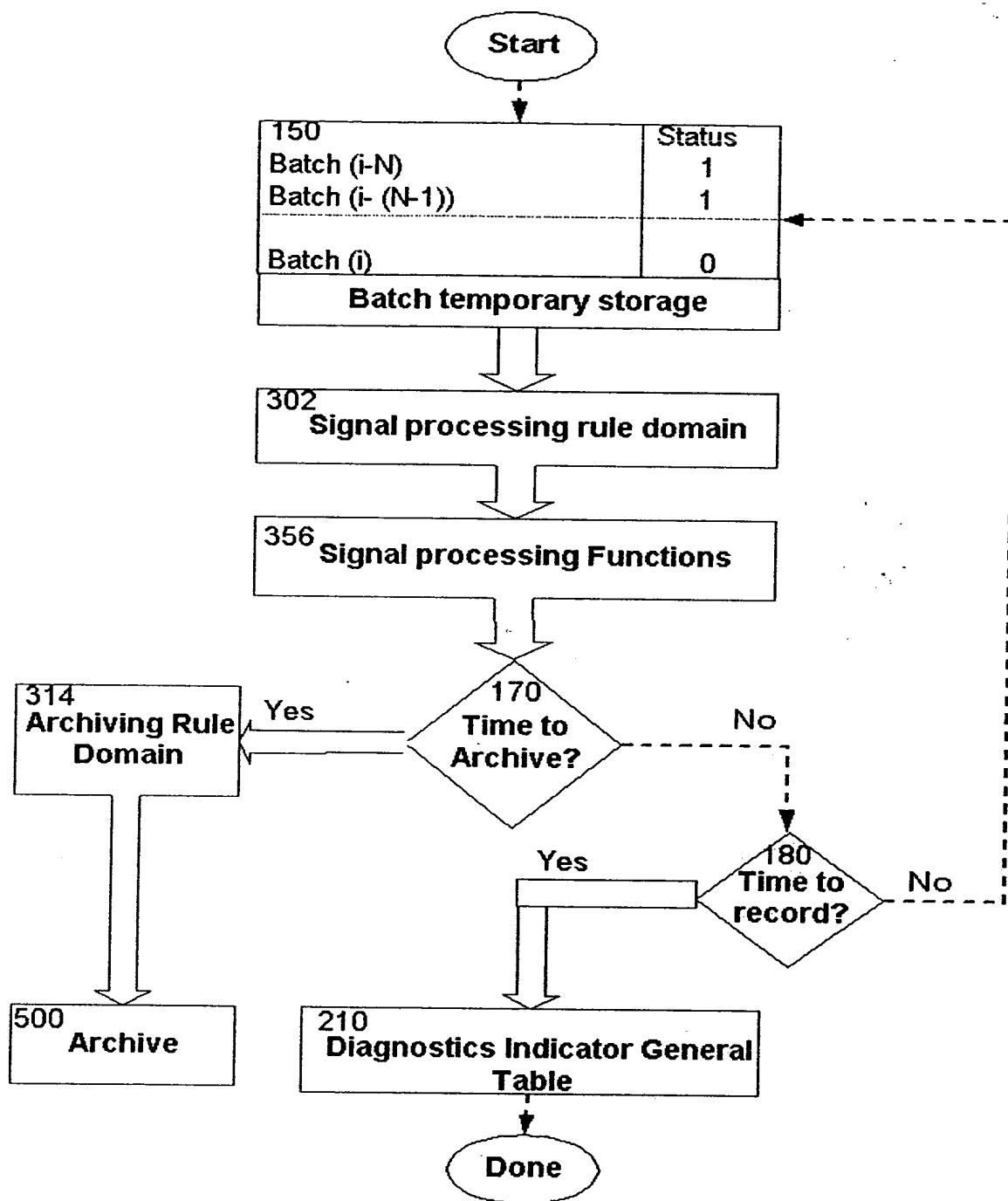
Data Acquisition Flow



**Long Distance Diagnostics
System Structure**

Figure 3





Batch Processing Data Flow

Figure 5

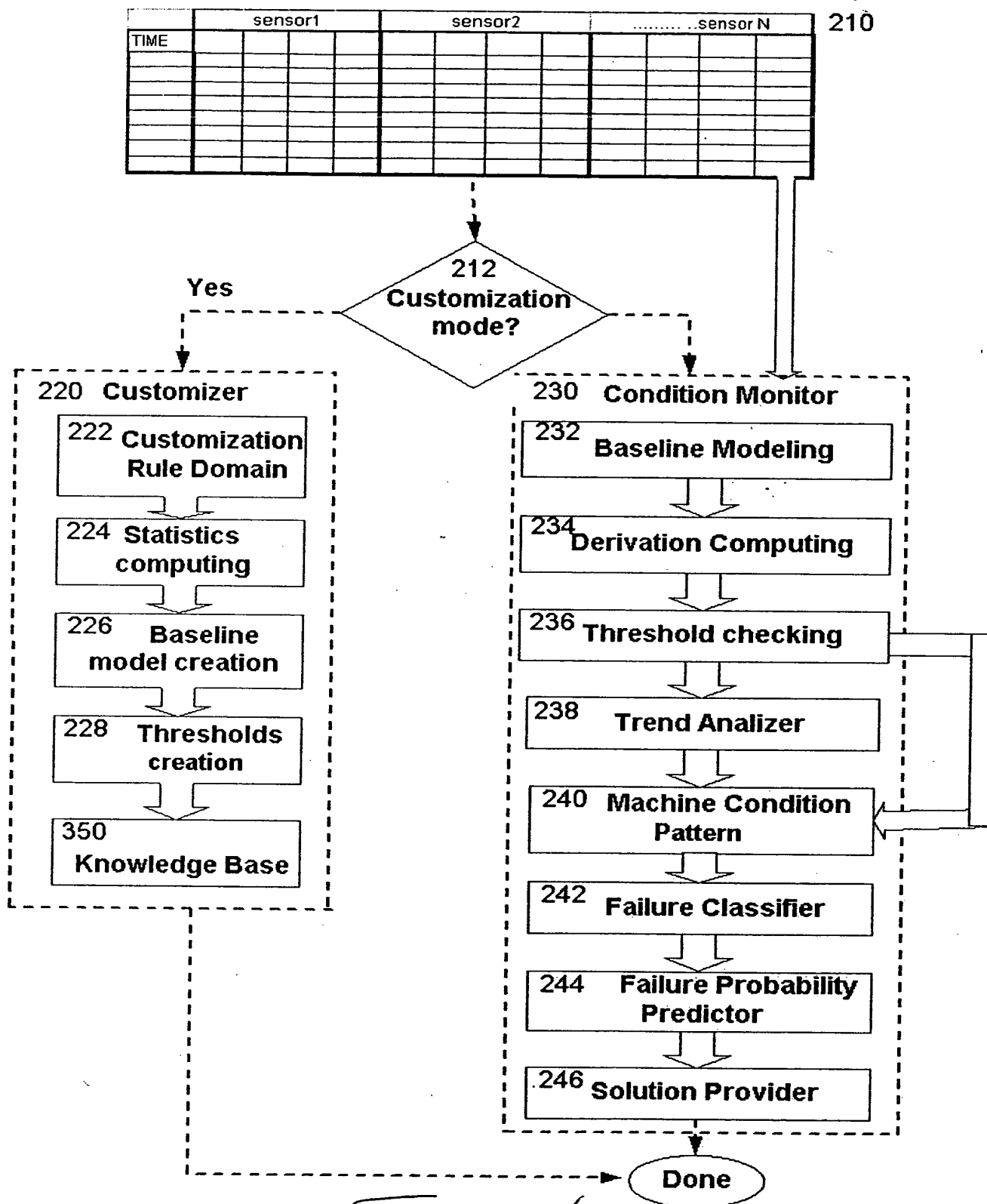
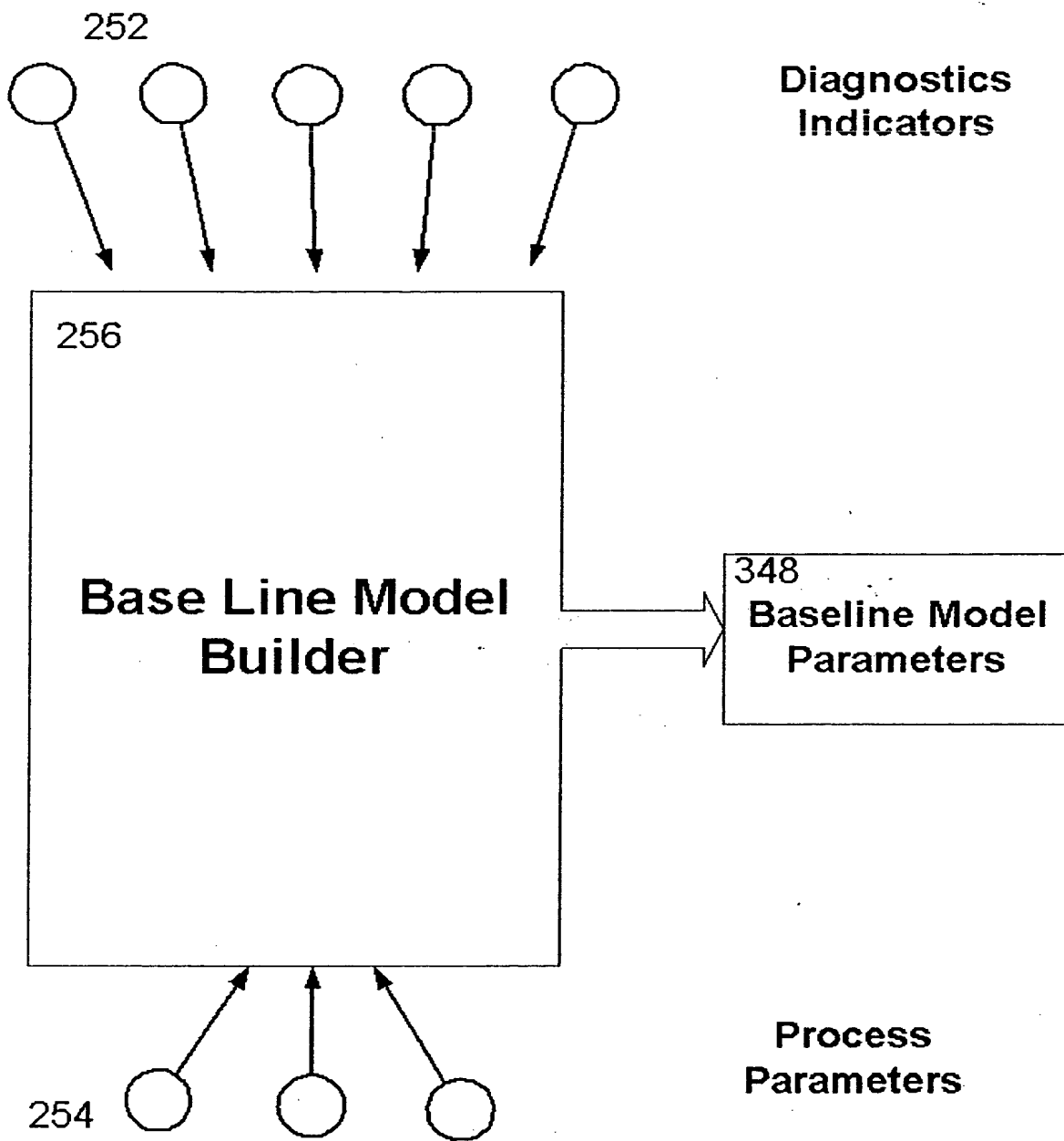
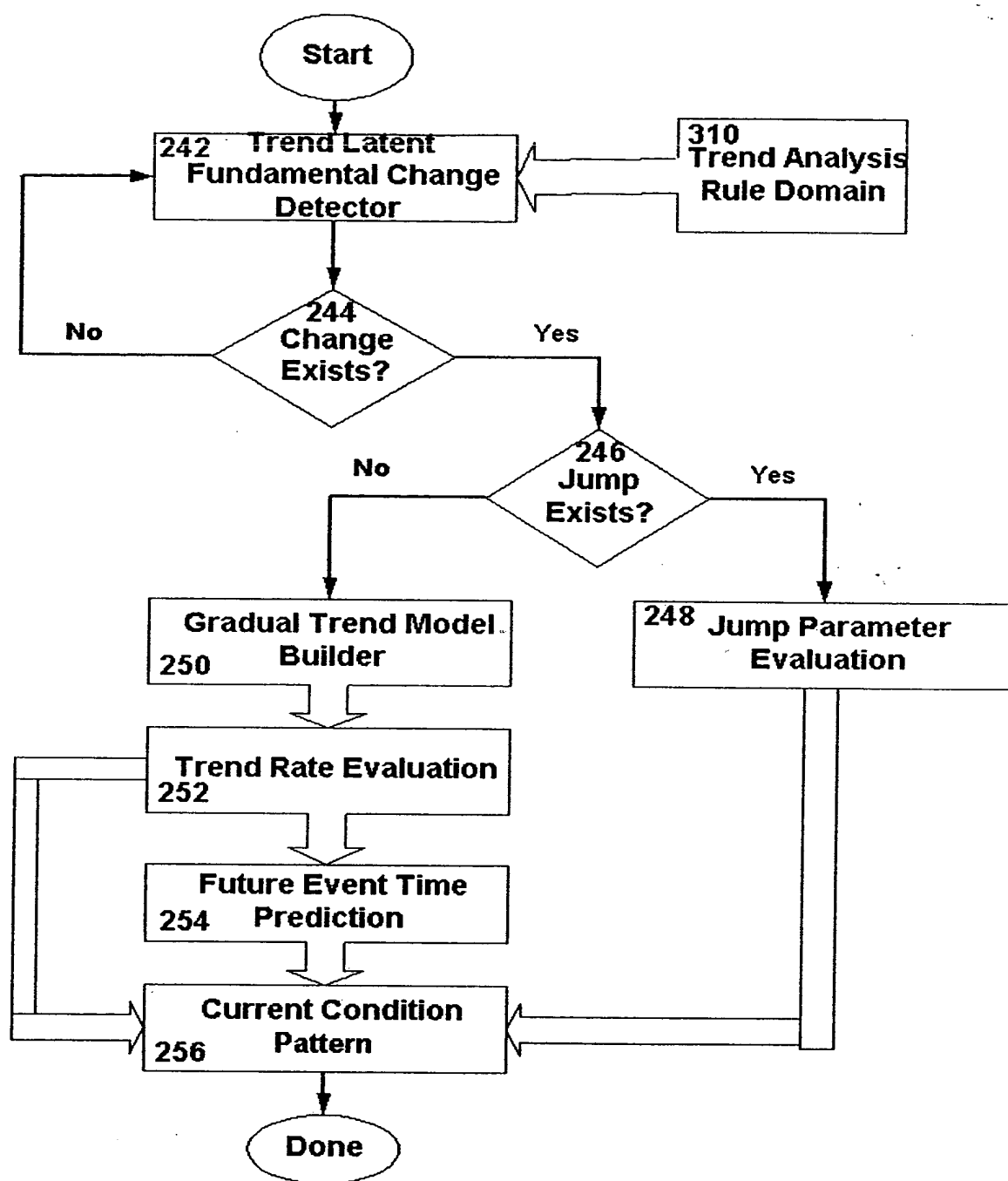


Figure 6.



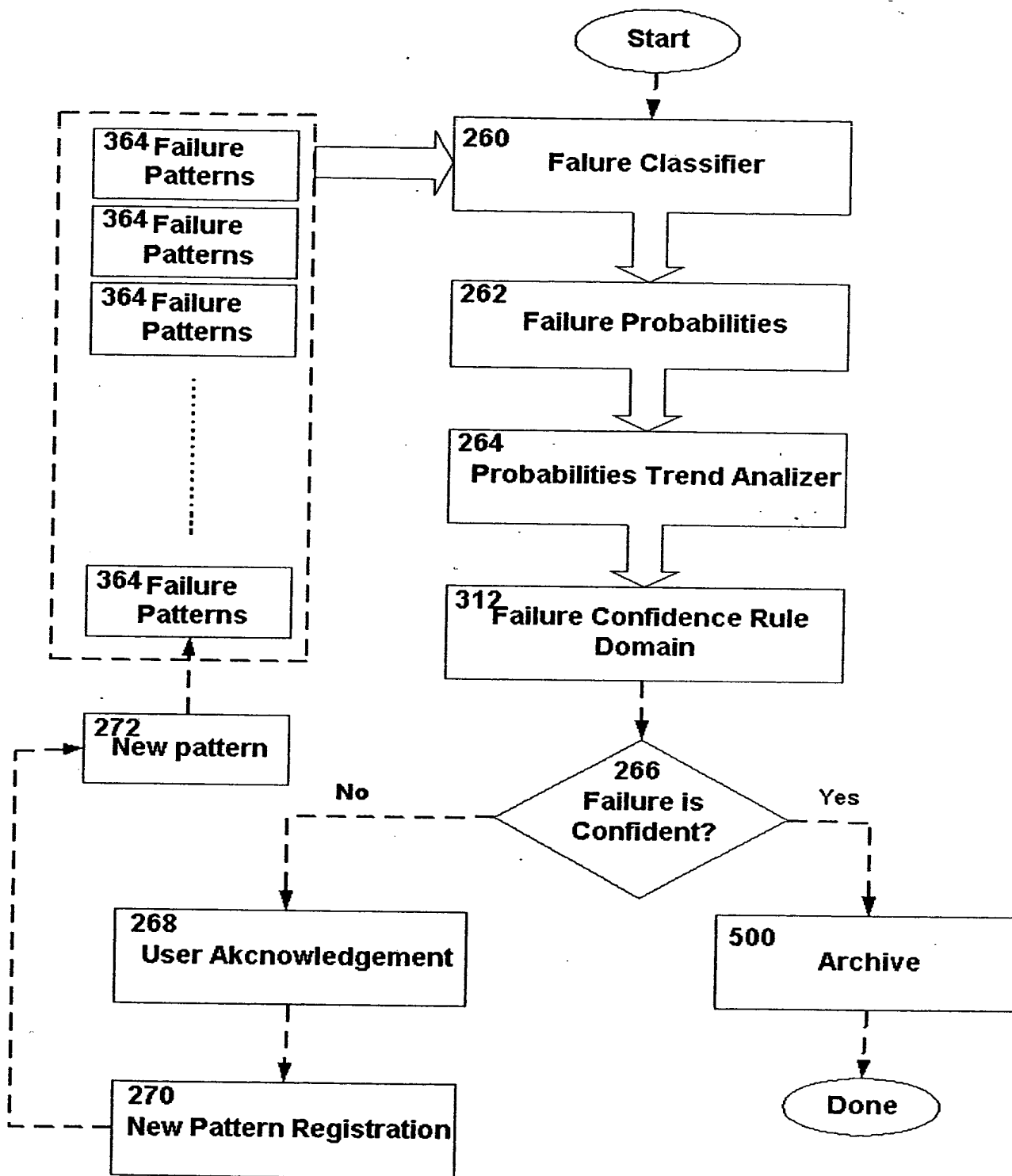
Baseline Model Creation

Figure 7



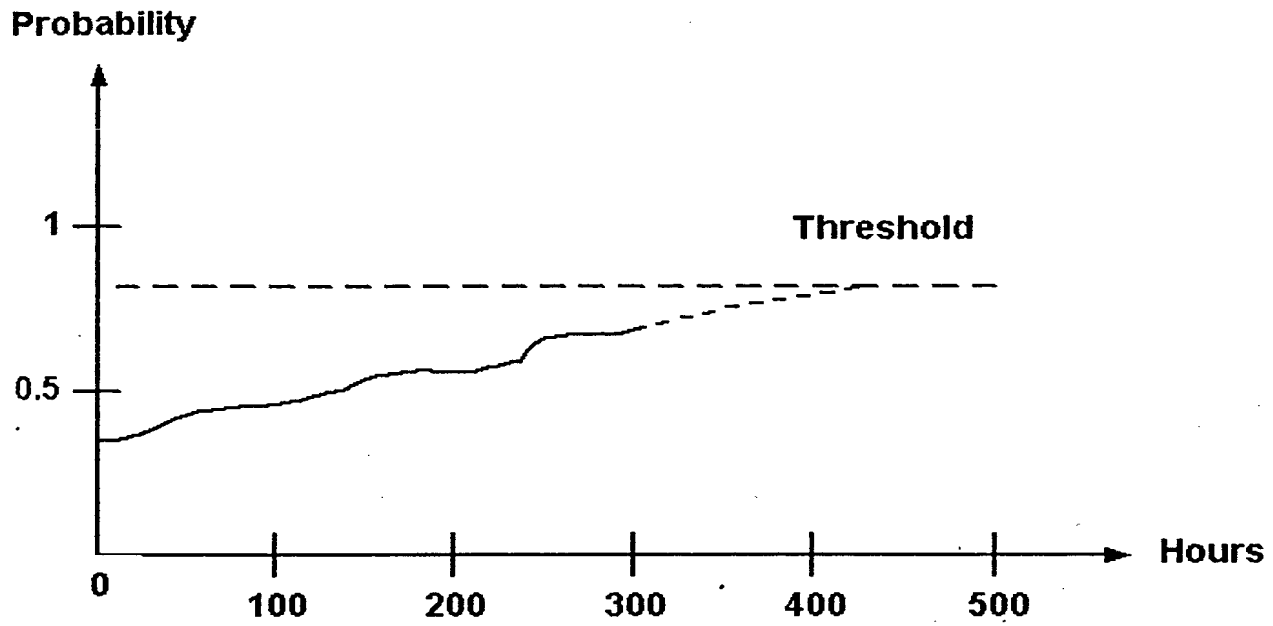
Trend Analysis Data Flow

Figure 8



**Failure Classification
Data Flow**

Figure 9



Expected Failure Time Prediction

Figure 10